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C. J. C.  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Xuedong Huang et al.

Examiner: Han, Qi

Patent No.: 6,990,446

Group Art Unit: 2654

Issue Date: Jan. 24, 2006

Confirmation No.: 3998

Customer No.: 22971

Docket No: 149518.01

Title: METHOD AND APPARATUS USING SPECTRAL ADDITION FOR SPEAKER RECOGNITION

Attn: Certificate of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

We are transmitting herewith the attached:

- ☒ Authorization to charge the Certificate of Correction fee of \$100.00 to the Deposit Account No. **50-0463**.
- ☒ Request for Certificate of Correction (1 pg.).
- ☒ Certificate of Correction Form - PTO-1050 (1 pg.).
- ☒ A return postcard.

**Please charge any additional fees or credit overpayment to Deposit Account No. 50-0463.**

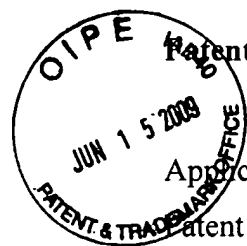
**Customer Number: 22971**

By /MacLane C. Key/  
Attorney Name: MacLane C. Key  
Reg. No.: 48250

CERTIFICATE UNDER 37 CFR § 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Attn: Certificate of Correction Branch, Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450, on this 9<sup>th</sup> day of June 2009.

Christine Hartness  
Christine Hartness

**Certificate**  
**JUN 17 2009**  
**of Correction**



Patent 6,990,446

PATENT

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Title: METHOD AND APPARATUS USING SPECTRAL ADDITION FOR SPEAKER  
RECOGNITION

**REQUEST FOR CERTIFICATION OF CORRECTION**

Attn: Certificate of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

It is requested that a Certificate of Correction be issued correcting printing errors appearing in the above-identified United States patent. Two copies of the text of the Certificate in the suggested form are enclosed.

Pursuant to 1.20(a), the examiner is authorized to charge the Certificate of Correction fee of \$100.00 to the Deposit Account No. **50-0463**.

Issuance of the Certificate of Correction would neither expand nor contract the scope of the claims as properly allowed, and re-examination is not required.

The Examiner is authorized to charge any additional fees or credit overpayment to Deposit Account No. **50-0463**.

Respectfully submitted,

**Customer Number: 22971**

Date May 7, 2009

By /MacLane C. Key/  
Attorney Name: MacLane C. Key  
Reg. No.: 48250

**CERTIFICATE UNDER 37 CFR § 1.8:** The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Attn: Certificate of Correction Branch, Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450, on this 9<sup>th</sup> day of June 2009.

Christine Hartness  
Christine Hartness

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(Also Form PTO-1050)

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6,990,446

DATED : Jan. 24, 2006

INVENTOR(S) : Xuedong Huang et al.

It is certified that error appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 3, line(s), 10-11, delete "mircoprocessor-based" and insert -- microprocessor-based --, therefor.

In column 4, line 17, delete "o" and insert -- of --, therefor.

In column 10, line 67, delete " $\sigma_{TRAIN}^2$ " and insert --  $\sigma_{TEST}^2$  --, therefor.

In column 11, line 1, delete " $\sigma_{TRAIN}^2$ " and insert --  $\sigma_{NOISE}^2$  --, therefor.


In column 16, line 32, in Claim 18, delete "claim 16" and insert -- claim 15 --, therefor.

MAILING ADDRESS OF SENDER:

CPA Global  
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Minneapolis, MN 55402

PATENT NO. 6,990,446

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Atty Docket No: 149518.01